

Operation of Effluent Treatment Facility transitioning to Washington River Protection Solutions

Management and operation of the Effluent Treatment Facility (ETF), the Liquid Effluent Retention Facility (LERF), and the Treated Effluent Disposal Facility (TEDF) in Hanford's 200-East Area were transferred today from CH2M HILL Plateau Remediation Company (CHPRC), contractor for the Department of Energy's Richland Office, to Washington River Protection Solutions (WRPS), the Hanford Tank Operations contractor for DOE's Office of River Protection. The existing staff of about 45 employees was transferred from CHPRC to WRPS as part of the facility transition.

The ETF has been in operation for 20 years, treating water contaminated with low levels of radioactive and chemical waste primarily from the 242-A Evaporator, groundwater treatment systems, waste disposal operations, and Hanford's K Basins.

The LERF has three storage basins designed to hold about 23 million gallons of waste water. The Effluent Treatment Facility receives waste water from the Liquid Effluent Retention Facility and treats it to remove radioactive and hazardous contaminants. Once the waste water has been treated, it is stored until tests confirm the liquid is acceptable for discharge at the state approved land disposal site. The ETF can treat up to 28 million gallons of waste water each year.

The Treated Effluent Disposal Facility accepts treated non-radioactive, non-hazardous effluent collected via pump stations located in the 200 East and West Areas. Treated effluent received at TEDF is discharged to two state-approved infiltration basins.

Tank Farm operations at the 242-A Evaporator and when operational, the Waste Treatment and Immobilization Plant will be the key liquid waste feed generators for the facilities in the near future. Therefore, the transition of these facilities was undertaken to better align with Hanford's mission.